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FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
12/14/2001	Kevin J. Knopp	CORE-83	9859
06/28/2004		EXAM	INER
STEUBING AND MCGUINESS & MANARAS LLP		NGUYEN, DUNG T	
		ART UNIT	PAPER NUMBER
	12/14/2001 06/28/2004	12/14/2001 Kevin J. Knopp 06/28/2004 MCGUINESS & MANARAS LLP	12/14/2001 Kevin J. Knopp CORE-83 06/28/2004 EXAM MCGUINESS & MANARAS LLP NGUYEN,

2828

DATE MAILED: 06/28/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)		
	10/020,068	KNOPP ET AL.		
Office Action Summary	Examiner	Art Unit		
	Dung (Michael) T Nguyen	2828		
The MAILING DATE of this communication app Period for Reply	pears on the cov rsh et with the c	orrespondence address		
A SHORTENED STATUTORY PERIOD FOR REPL' THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.1 after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a reply - If NO period for reply is specified above, the maximum statutory period of railure to reply within the set or extended period for reply will, by statute Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	36(a). In no event, however, may a reply be timey within the statutory minimum of thirty (30) days will apply and will expire SIX (6) MONTHS from , cause the application to become ABANDONE	ely filed s will be considered timely. the mailing date of this communication. O (35 U.S.C. § 133).		
Status				
1) Responsive to communication(s) filed on <u>06 A</u>	<u>pril 2004</u> .			
2a) ☐ This action is FINAL . 2b) ☐ This				
3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.				
Disposition of Claims				
4) ⊠ Claim(s) 1-13 is/are pending in the application 4a) Of the above claim(s) is/are withdray 5) □ Claim(s) is/are allowed. 6) ⊠ Claim(s) 1-13 is/are rejected. 7) □ Claim(s) is/are objected to. 8) □ Claim(s) are subject to restriction and/or	wn from consideration.			
Application Papers				
9)☐ The specification is objected to by the Examine	er.			
10) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner.				
Applicant may not request that any objection to the	drawing(s) be held in abeyance. See	e 37 CFR 1.85(a).		
Replacement drawing sheet(s) including the correct 11) The oath or declaration is objected to by the Ex	,			
Priority under 35 U.S.C. § 119				
12) Acknowledgment is made of a claim for foreign a) All b) Some * c) None of: 1. Certified copies of the priority document 2. Certified copies of the priority document 3. Copies of the certified copies of the priority application from the International Burear * See the attached detailed Office action for a list	s have been received. s have been received in Applicati rity documents have been receive u (PCT Rule 17.2(a)).	on No ed in this National Stage		
Attachment(s) 1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948)	4) Interview Summary Paper No(s)/Mail Da			
3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date	6) Other:	atom Application (1 10-102)		

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DETAILED ACTION

Response to Arguments

Applicant's arguments with respect to claims 1-13 have been considered but are most in view of the new ground(s) of rejection.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

Claims 1-13 are rejected under 35 U.S.C. 102(e) as being anticipated by Hwang (US2002/0080836).

With respect to claims 1-4, 6-7, and 12-13, Hwang shows in Fig.1-2 a laser comprising: a front mirror 107 and a rear mirror 104-105 being disposed so as to establish a reflective cavity; a gain region 106 disposed between said front mirror and said rear mirror, said gain region being constructed so that when said gain region is appropriately simulated by light from a pump laser, said gain region will

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emit light: and said rear mirror having a phase compensated reflector 104 to act as an output coupler for a lasing mode and to reflect pump light at a proper phase so as to provide phase shifted reflected pump light for a second pumping pass through said gain region; wherein said gain region is positioned relative to said rear mirror with said peaks of said reflected pump light in alignment with said gain region during said second pumping pass therethrough; and wherein said gain region is positioned relative to said front mirror and said rear mirror so as to provide prolasing (see para. 0044 and 0045).

With respect to claims 5, 8, and 10, Hwang discloses the mirrors comprise DBR (para.0038).

With respect to claims 9 and 11, Hwang discloses DBR comprises InP (para.0038).

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Communication Information

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Dung (Michael) T Nguyen whose telephone number is (571) 272-1949. The examiner can normally be reached on 8:30 - 17:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Don Wong can be reached on (571) 272-1834. The fax phone number for the organization where this application or proceeding is assigned is (703) 872-9306.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 306-3329.

Michael Dung Nguyen

Don Worg
Supervisory Patent Examine
Technology Center 2800